



DDG 1000 Class Destroyer



DDG 1000 Overview

16 January 2019

**Surface Navy Association (SNA)
31st National Symposium**



**DDG 1000 Program Manager, PMS 500
CAPT Kevin Smith**



USS ZUMWALT (DDG 1000)

San Diego Homeport



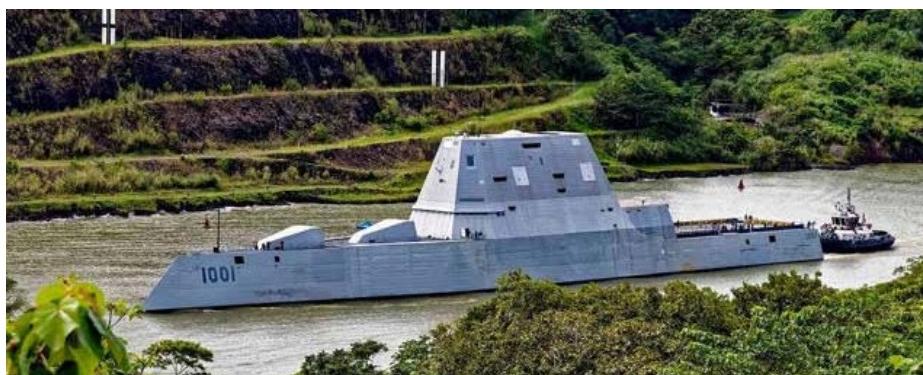
- Started Combat Testing in preparation to activate combat systems (weapons, sensors and communications)
- Post Delivery Test and Trials being conducted concurrently with Combat Systems Activation and Testing





PCU MICHAEL MONSOOR (DDG 1001)

San Diego Homeport



- **2018 Accomplishments:**
 - Completed Builder's Trials 04 Dec 2017 with a follow-up BT 14-17 Jan 2018
 - Acceptance Trials completed 01 Feb 2018
 - HM&E delivery 24 Apr 2018
 - Departed Bath ME 9 Nov 2018; Arrived San Diego, CA 7 Dec 2018
- **Commissioning scheduled 26 Jan 2019, Coronado CA**





PCU LYNDON B. JOHNSON (DDG 1002)

Bath, ME Building Yard



- **2018 Accomplishments:**
 - Fabrication 82% complete
 - Completed Hull Integration on 20 Apr 2018
 - Float-off achieved on 9 Dec 2018
- **HM&E delivery scheduled for Mar 2020**





Air Warfare Detect–Track– Engage Testing Self Defense Test Ship (SDTS)



- **Wallops Island / Self Defense Test Ship (SDTS)**
 - Successfully completed land based testing of the ZUMWALT Combat System at the Wallops Island Engineering Test Center in June 2017, completing six tracking exercises
 - Testing on Self Defense Test Ship installed with ZUMWALT Combat System began May 2018
 - Completed three TRACKEX on SDTS using threat representative targets
 - Next scheduled SDTS event will be the first live missile firing using the ZUMWALT Combat System





DDG 1000 Zumwalt Class Destroyer System Description



Hull

Wave-Piercing Tumblehome

Superstructure

Composite Structure

- DDG 1000 / 1001

Steel

- DDG 1002

Weapons

(80) Advanced Vertical Launch (AVLS) cells for Tomahawk, ESSM, Standard Missile

(2) Advanced Gun System (AGS) 155 mm guns

(600) 155 mm rounds

(2) MK 46 Close In Guns (CIGS)

Torpedo Defense (Space Reservation)

Anti-Terrorism

Characteristics

Overall Length

610 ft

Displacement Full Load

15,612 LT

Maximum Beam

80.7 ft

Installed Power

78 MW

Navigational Draft

27.6 ft

Crew Size

147

Speed

30 kts

(plus 28 person aviation detachment)

Aviation

MH60R and (3) VTUAVs

(Capacity for 2 MH 60Rs)

Integrated Power System (IPS)

(2) Main Turbine Generators (MTG)

(2) Auxiliary Turbine Generators (ATG)

(2) 34.6 MW Advanced Induction Motors

Sensors

SPY-3 X-Band

Multi-Function Radar (MFR)

Volume Search Radar (VSR) (Space & Weight Reservation)

HF & MF Bow Sonar Arrays

Multi-Function Towed Array

EO/IR System

ES System

EXCOMMS - Alternative Navy C4I POR

Boats

(2) 7m RHIBs

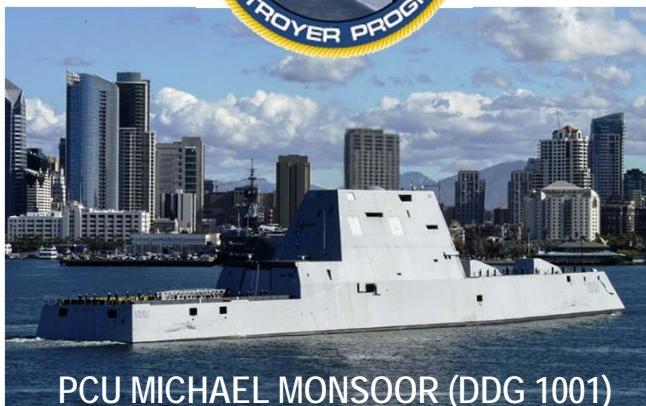
(sized for (2) 11m RHIBs)



DDG 1000 CLASS



USS ZUMWALT (DDG 1000)



PCU MICHAEL MONSOOR (DDG 1001)



PCU LYNDON B. JOHNSON (DDG 1002)